

U. S. DEPARTMENT OF ENERGY
ROCKY FLATS PLANT
ENVIRONMENTAL RESTORATION PROGRAM WEEKLY REPORT
WEEK ENDING AUGUST 27, 1993

Section I - Interagency Agreement (IAG)

OU 1 - 881 Hillside-Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Remedial Investigation (RI)

Work on the RI report is proceeding on schedule. EG&G direction and review is proceeding on several sections of the report. RFO comments were received this week on Sections 1 and 2. These comments are being incorporated. The Environmental Evaluation (EE) and Human Health Risk Assessment (HHRA) sections of the report are complete and undergoing document production.

Revisions to the Interim Measures/Interim Remedial Action (IM/IRA) Quarterly Report are underway based on RFO comments.

RFO received the Wetlands Status Report on August 24, 1993. RFO comments were incorporated for the August 30, 1993, delivery date to the regulatory agencies.

OU 1 881 Hillside Interim Measure/Interim Remedial Action (IM/IRA) Treatment Building 891

The water from effluent tank Tank-205 is being retreated through the ion exchange (IX) system for high iron levels. A total of 55,000 gallons was retreated in the past week. This makes a total of 70,000 gallons of retreatment for Tank-205. Approximately 15,000 gallons of additional retreatment will be performed before the tank is resampled. Water remains in Tank-206 for discharge into the wetland, if needed. Tank-207 has about 14,000 gallons of storage capacity remaining. Approximately 6,400 gallons of French drain water was treated this past week in order to maintain some influent storage capacity.

French drain sump pump, P-102, remains functional. The automatic position on the French drain pumps still does not work. However, the transducers have been identified as the problem. New transducers will be installed. In addition, the compressor on the French drain level indicator became inoperable this past week and has been replaced.

Revisions to the Second Quarterly Report for FY93 are nearly complete.

Preventive maintenance continues at the Field Treatability Unit (FTU).

Feasibility Study/Corrective Measures Study (FS/CMS)

Work on the FS is in progress. Technical Memorandum (TM) #10, *Preliminary Remediation Goals*, was received by RFO on schedule on August 15, 1993. Work is progressing towards the October 1993 delivery date on TM #11, *Alternatives Array*.

Total treated ground water for OU 1

Treated Ground Water this Week:	6,448 gallons
Total treated to date:	1,530,448 gallons

OU 2 - 903 Pad, Mound, East Trenches Area
Remedial Assessment

The second draft of Technical Memorandum (TM) #9, *Chemicals of Concern*, was received by RFO on August 25, 1993. This TM replaced an earlier version that was missing data.

Development of the B-series well is expected to take an additional week. Slug testing for the remaining three wells will occur when the B-series well is developed.

Work towards fencing the americium zone is being delayed for a Davis Bacon Act determination. This may take up to 6 weeks.

A stop work order was received August 24, 1993, for the HHRA tasks. Negotiations are being held between the regulatory agencies, RFO and EG&G to resolve these issues. A proposal for risk assessment that merges RCRA and CERCLA issues will be discussed on September 17, 1993. An assessment of the stop work impact is being prepared for the OU 2 project.

Surface Water Interim Measure/Interim Remedial Action Plan (IM/IRAP)

Two 55-gallon drums of sludge from the FTU were packaged this week.

Subsurface Water IM/IRA

The Integrated Work Control Package has been presented for review and comment. Approval was finalized August 26, 1993.

The liquid encountered during drilling on August 9, 1993, has been analyzed and contains significant amounts of tetrachloroethane. Work is progressing towards identifying how this material will impact testing at this location and to identify alternatives to the test configuration and/or location.

RFO will receive the draft IM/IRA Implementation and Operation Plan for the Soil Vapor Extraction Pilot Test on September 3, 1993.

Efforts continue to subcontract the detailed portion of the Soil Vapor Survey. The field records have not yet been received from the first phase of the survey due to a cost overrun by the subcontractor. This overrun was caused by a difference in the accrued cost for the soil vapor survey at Individual Hazardous Substance Site (IHSS) 110 and the actual invoiced amount. The delay is not expected to impact any schedules as it is not on a critical path. A proposal has been received to close out the project.

The Project Management Plan (PMP) is being finalized by the project team.

Surface Water IM/IRA

A meeting was held on August 20, 1993, with the regulatory agencies to discuss the results of the Surface Water IM/IRA Treatability Study Report (TSR). The focus of this meeting was to discuss removing two surface water sources (SW-61 and SW-132) from collection and treatment. Surface water contamination at these two sites for analytes with applicable or relevant and appropriate requirements (ARARs) was not significant. The regulatory agencies indicated that they will strongly consider permitting discontinuation of treatment for these stations.

Surface water station SW-59 is significantly contaminated with respect to ARARs and discontinuation of treatment for this source was not requested. However, there is very low risk to human health associated with that source. Alternative methods of treating SW-59 will be considered, either in the TSR or in a separate document.

The treatment unit effectiveness was also discussed. The current design results in loss of the volatile organics in the process stream prior to the Granulated Activated Carbon (GAC) units. The current sampling system does not identify exactly where the volatile organics are lost. In addition, sampling location RS-1 has not been consistently sampled. The regulatory agencies will be notified if the new sampling method results in a change in the conclusions of the TSR.

Feasibility Study (FS)

Charge numbers have been obtained and a purchase requisition has been signed for the FS work for OUs 2, 3, and 6. In addition, program support for FSs for other OUs will be established. Responsibilities for the FS work are still being negotiated.

Total Treated Surface Water for OU 2

total treated surface water this week:

89,120 gallons

Total treated water to date:

17,482,750 gallons

OU 3 - Offsite Areas

Offsite landowners will be informed through a form letter on the laboratory analysis results of soil samples obtained from their property. The letter is being reviewed by EG&G legal, EG&G community relations, and RFO prior to its release to the landowners.

The Technical Evaluation on the Settlement Agreement weed control subcontract was sent to Procurement on August 23, 1993. This subcontract will provide weed control actions on the Jefferson County Settlement Agreement property as required under this legal action.

The summer biannual report to Jefferson County is currently being prepared. This report identifies activities related to the Jeffco Remedy Acres as required by the 1985 McKay versus U.S. et al. Settlement Agreement. RFO will receive this report on August 31, 1993.

OU 4 - Solar Evaporation Ponds Phase I RFI/RI Program

Data evaluation and report writing continues on schedule for the OU 4 Phase I RFI/RI Program. Approximately 97 percent of the data is in for all analytes except the metals, and approximately 63 percent of the data is in for the metals for the samples taken to date.

Core logging activities continue for the OU 4 Phase I RFI/RI Program. Of the 53 core logs, 37 have been completed and approved by EG&G. The remaining 16 are being processed and shall be finished and submitted to EG&G for approval by August 27, 1993.

Work continues on the OU 4 IM/IRA to determine operational requirements, estimate assumptions, basis of estimates, resource loaded logic network, goals and objectives, and deliverables (external and internal).

Vadose zone monitoring continues in the form of lysimeter sampling and neutron monitoring until September 30, 1993.

OU 5 - Woman Creek

The aquifer testing has been completed.

Draft TM #12, *Exposure Scenarios*, is at the regulatory agencies for review.

Draft TM #13, *Modeling*, is still in review at RFO.

The OU 5 DOE technical audit started on August 16, 1993, and the audit will take approximately three to four weeks.

OU 6 - Walnut Creek

TM # 3, *Modeling Surface and Ground Water*, was submitted to the regulatory agencies on August 4, 1993. Comments from the regulatory agencies on TM #3 are due on September 1, 1993. The regulatory agencies have informed RFO that comments would be late on TM #2, *Exposure Scenarios*.

Work continues on the Rocky Flats Environmental Database System (RFEDS) database tables to sort the data by IHSSs and contaminants and perform Quality Assurance (QA). Data comparisons will be made against the Background Geochemical Report and upper tolerance limits (UTLs) to determine the possibility of removing some of the IHSS from the remainder of the RI/FS process.

The regulatory agencies and RFO agreed to stop work until HHRA issues can be resolved. Consequently, work on TM # 4, *Contaminants of Concern (COC)*, has stopped until these issues are resolved.

OU 7 - Present Landfill

One monitor well has been destroyed and two other wells have been buried as a result of plant operations within the landfill. Management and Operating Contractor (M&O) accountability forms have been initiated as well as a corrective action plan.

OU 8 - 700 Area

The final Health and Safety Plan (HSP) for implementation of nonintrusive field work for the Industrial Area Operable Units (IA OUs) 8, 9, 10, 12, 13, and 14 is being modified to include radiological operating procedures, which will be part of Appendix C of the HSP. After all comments are included in the plan, RFO will review the plan for approval.

OU 9 - Original Process Waste Lines (OPWL)

Site walk portions of data compilation continues. This includes visiting each tank site to prepare a sketch map and indicate specific locations to take soil samples, residue samples, etc. Tanks in the 700 Area and all of the outside tanks were completed. The second biweekly project field status meeting was held on August 26, 1993.

Approval is being accelerated on the soil samples around the exterior tanks in an effort to collect and ship these samples to the laboratories in FY93.

OU 10 - Other Outside Closures

A site walk of OU 10 IHSSs was conducted August 20, 1993. The site walk was to discuss specific sampling location points and other logistical concerns regarding implementation of field activities. It is anticipated that field crews will begin collecting surficial soil samples at OU 10 beginning the week of August 30, 1993.

All Stage I High Purity Germanium (HPGe) survey data, outside of the Protected Area (PA), have been collected for OUs 10, 12, 13, and 14. The portions of OU 8 outside the PA have also been surveyed. The survey data is currently being analyzed by EG&G and should be completed by the end of September 1993. Results from this data evaluation will provide direction for future HPGe and Sodium Iodide survey points, if needed.

IHSS 170/174 and 176 Waste Removal Update

Additional funds have been allocated to the Industrial Area (IA) OUs for FY94. A portion of these funds could be directed for waste removal for the beginning of FY94. The hours that have been scoped for removal activities have not yet been resource loaded into the RFP PCS, but are being incorporated into the integrated OU work schedule for FY94.

The cost estimate to remove materials to support environmental investigation of the IA OUs was \$1.2 million. These funds will come out of the FY94 budgets. Additional funds may become available during the remainder of FY93, and they will be spent for water removal activities this year.

OU 11 - West Spray Field

The draft revised field sampling plan (FSP) is still under development. The scope of the work is still being finalized.

OU 12 - 400/800 Area

All Stage I HPGe survey data, outside of the PA, have been collected for OUs 10, 12, 13, and 14. The portions of OU 8 outside the PA have also been surveyed. The survey data is currently being analyzed by EG&G and should be completed by the end of September 1993. Results from this data evaluation will provide direction for future HPGe and Sodium Iodide survey points, if needed.

Field sampling crews will begin surficial soil sampling in OU 12 during the second week of September 1993.

OU 13 - 100 Area

HPGe results in OU 13 and how they relate to the surficial soil sampling and vertical profile sampling locations per the OU 13 Work Plan were discussed at a meeting this week. A meeting will be held in the near future with the regulatory agencies, RFO, and EG&G to finalize sampling locations.

Work continues on resolution of comments on Standard Operating Procedures (SOPs). A revised draft was completed on August 26, 1993.

OU 14 - Radioactive Sites

Surface radiological surveys utilizing the HPGe instruments was completed for IHSSs outside of the PA.

OU 15 - Inside Building Closures

Floor/equipment hot water rinse sampling and direct radiological surveys (Stages I and II of the OU 15 Work Plan) within Building 881 were completed this week. Coordination of initiation of OU 15 field work activities on August 15, 1993, with Buildings 883 and 865 have begun this week. Dedicated EG&G Rocky Flats Radiological Protection Technicians (RPTs) have now been assigned to perform OU 15 work. Personal Protective Equipment (PPE) has been downgraded from anti-contamination (Anti-C) to modified Level D. This will allow field work to proceed on schedule and has allowed past delays during field work to be made up. Attempts will be made to continue making up OU 15 schedule slippage during field work.

It is currently estimated that submittal of OU 15 IAG milestone documents will exceed the IAG Table 6 dates by approximately 40 working days. Schedule slippage was estimated based on the assumption that the results of Stage III field work (outside buildings) will not be presented within the Draft Phase I RFI/RI Report for OU 15. EG&G has recommended to RFO that a new schedule for OU 15 be provided within OU 15 TM #1, *Field Sampling*, for regulatory agency review and approval. The new schedule could be based on a well-defined scope of work for Stage III field work (outside buildings) that will be available with TM #1 based on the results of Stage I and Stage II field work (inside buildings). TM #1 is scheduled to be submitted to the regulatory agencies during FY94.

A potential conflict exists between OU 15 field work with Building 447 (i.e., the original uranium chip roaster, IHSS 204) and waste characterization work required by Nevada Test Site (NTS). Work for both are scheduled for initiation on September 6, 1993. The NTS work will be delayed until September 13, 1993, and increased OU 15 efficiency may expedite the OU 15 schedule to eliminate potential conflicts. Coordination of OU 15 and NTS work continues.

EPA and RFO toured OU 15 on August 26, 1993.

OU 16 - Low Priority Sites

The OU 16 Draft Final Proposed Plan (PP) is at EPA for review and for EPA comments to be incorporated into the PP. After EPA has concluded work on the PP, RFO and EG&G will review it.

Integrated Operable Units - OUs 8, 9, 10, 12, 13 and 14

The subcontract for implementation of the nonintrusive field work for the IA OUs 8, 9, 10, 12, 13, 14 was awarded by EG&G Procurement on August 13, 1993.

The HPGe unit completed work on OU 13 and is expected to complete work on OU 14 by the end of August 1993. Also, in completing the HPGe survey for OU 13, IHSS 172 (external of the Protected Area) of OU 8 has been completed. Results of the HPGe surveys for OU 10, 12, 13, 14, and part of OU 8 are being compiled.

The cost estimate to remove materials to support environmental investigation of the IA OU IHSSs was \$1.2 million. These funds will be paid for out of the FY94 budgets. Additional funds may become available during the remainder of FY93, and they would be spent for waste removal activities this year. EG&G Plant Support Services will be doing the work to move materials from the IHSSs. The cost estimate includes movement of materials off the IHSSs and subsequently moving the materials back onto the IHSS area following environmental investigations.

The final Health and Safety Plan (HSP) for implementation of nonintrusive field work for the IA OUs 8, 9, 10, 11, 13, and 14 is being modified to include radiological operating procedures, which will be part of Appendix C of the HSP. After all comments are included in the plan, RFO will review the plan for approval.

Interim Measures/Interim Remedial Action Plan (IM/IRAP)

Phase II Geologic Characterization Data Acquisition

The acquisition phase of the Deep Seismic Program was completed on August 24, 1993. The field tapes have been sent to the processor and preliminary data is expected in approximately 1 month. Currently a gravity and magnetics survey is being conducted along the western portion of the seismic line by the Colorado School of Mines (for EG&G). This survey will aid in the final structural interpretation.

Data acquisition went very smoothly both on and off plantsite. The effected landowners and Plant Security were all very cooperative and the program was completed without incident.

Sitewide Activities

Colloid Polishing Filter Method (CPFM) (Techtran)

This process uses a proprietary chemical complexing agent to remove heavy metals and/or radionuclide contaminants from waste water or ground water. The contaminants are removed from the water by precipitation and filtration. Ultimately, the contaminants are contained in a dried filter cake, and the treated water is returned to the environment. Results of preliminary tests carried out at RFP in 1991 were favorable. EPA's Risk Reduction Engineering Laboratory (Cincinnati) is interested in supporting a demonstration of this technology at RFP through its Superfund Innovative Technology Evaluation (SITE) program.

RFO issued guidance that the EPA SITE project have highest priority in the sitewide treatability program, and that every effort be made to complete the project by the end of August 1993. EPA agreed to fund the study; funds were diverted from other tasks in the sitewide work package to begin the necessary preparation work for the project. Several other tasks within the work package will be delayed until the SITE project is completed.

The use of an inflatable temporary berm to be used in the project as a secondary containment device has been under discussion by the subcontractors. Use of an inflatable temporary berm would eliminate 6-8 weeks of time (from the time necessary to begin field tests of the technology through the elimination of the engineering and procurement lead times required for a permanently constructed berm).

The existence of a NEPA categorical exclusion (CX) was investigated for the project under the sitewide treatability exclusion, RFO/CX031-92. However, this CX was specifically written for laboratory studies and will not apply to this project. As a result, actions were started to provide a separate CX for this project. An environmental checklist and Section D Determination were created and submitted to the Plant NEPA Compliance Committee (NCC). The committee voted to recommend a CX for this project and forwarded its recommendation to RFO on July 6, 1993. The NEPA documentation is undergoing final RFO review and should be approved by the end of August 1993.

Samples from each of the temporary modular storage tanks were requested on July 13, 1993, to ensure that the tank contents would be appropriate for the proposed test work. Sampling was scheduled for July 20, 1993, with a 2-week sample analysis turnaround expected from the laboratory. Analytical results for the TOC showed that the three samples contained 6.1, 8.0 and 7.0 mg/L. The total uranium and gross alpha results will be reported next week.

Personnel training requirements for the project were identified and the necessary computer-based training courses will be scheduled at RFP.

RFO requested approval for the EPA SITE demonstration from the regulatory agencies on June 24, 1993. EPA granted approval for the project on August 5, 1993; approval from CDH is still pending.

Approval of the HSP is pending final review. The revised Work Plan (Demonstration plan) was received on August 9, 1993. This plan is under going final review by the EPA Risk Reduction Engineering Lab (RREL).

A meeting was held with EG&G Sample Management Office (SMO) to discuss a pathway to send samples offsite for laboratory analysis. SMO offered to have project samples scanned and packaged for offsite shipment. The decision on the laboratory where samples will be sent is still being reviewed by EPA and EG&G. The technology vendor visited the plantsite on July 21, 1993. The purpose of the visit was to review the site where the test work will take place and hold discussions with representatives of radiological engineering to consider ways to ensure that the equipment used in the test work will be capable of being decontaminated and transported offsite. Rad engineering outlined the steps that are required to allow the equipment to be decontaminated properly and released offsite.

Other Activities

Work Packages

Work packages are being reviewed by RFO this week for revision or approval. Work packages will be signed off by RFO on September 3, 1993.

Integrated Planning Process (IPP)

RFO-DOE met with DOE-Headquarters (HQ) to provide EM-14 and EM-60 with a status report on the development of the Integrated Planning Process (IPP) and to discuss HQ's needs and expectations for FY94.

Interim Integrated Roadmap

A meeting was held to discuss and finalize the schedule for producing the FY93 Interim Integrated Roadmap by the September 30, 1993, deliverable due date.

The subcontract contract for environmental technical support services was modified to allow for additional funds to complete the FY93 Interim Integrated Roadmap, which will now include a 75 -100 page summary-level document (PR#67984).

Administrative Record (AR) and Records Management

RFO will transmit the Quarterly AR Index to the regulatory agencies. RFO has reached an agreement with the regulatory agencies that the regulatory agencies will receive annual updates to the indices in the future.

EG&G Central Records Center (CRC) personnel provided support during a RFO audit of OU 05 - Woman Creek. A list of all OU 05 indexed records was provided; records were retrieved as requested.

Section II - Solar Ponds Remediation Project (SPRP)

Pond Sludge Status and Issues

Work continued on the Accelerated Sludge Removal Project. The PFDs were issued in final form. Comments were incorporated into the draft Tank specification. The proposed schedule was reviewed with the various plant groups that would be involved in its execution. The first draft of the cost estimated was prepared.

The Design Criteria Package Report is on schedule for issue August 27, 1993.

The Accelerated Sludge Removal Schedule was presented to the Technical Design Team on August 20, 1993. The schedule was brainstormed and the basis-of-estimate for the conceptual-design-cost estimate was established in an all-day meeting on August 18, 1993. The reviewed and cost estimated Schedule will be included in the Draft Design Criteria Package to be issued on August 27, 1993.

Meetings were held with EG&G management staff to define a methodology for assigning schedule contingency to the Accelerated Sludge Removal Schedule. The technique that will be used will employ an assessment of the risk associated with each activity in the schedule. This PERT type assessment will then be joined with a definition of project phases to produce appropriate time contingency to be added to the schedule. An analogous Cost Contingency analysis will also be done to develop a financial reserve to be added to the cost estimate.

A walkdown of subcontractor equipment took place on August 20, 1993, to define what was owned by the subcontractor versus government ownership. There are extensive modifications that have been added to various subcontractor systems. The ownership resolution needs to occur concurrently with the demobilization effort.

A joint RFO Project and Construction Management meeting was held on August 20, 1993, to address the issues surrounding the demobilization of subcontractor equipment. In September 1993, equipment will begin departing for the subcontractor shops after scope, purchasing and plant coordination issues are resolved.

Water Management Status and Issues

	This Week	Total (since 4/1/93)
Pond water to Bldg. 374 : (gal)	0	1,405,000
Modular tank water to Bldg. 374: (gal)	0	331,000
Modular tank water to Bldg. 910: (gal)	0	60,000
Pond water & sludge volume: (gal, Approx)	954,000	
Interceptor Trench Flow: (gal)	20,800	787,800-
Available Modular Tank Volume: (gal)	557,500	(926,500 max)

The Building 374 evaporators are on-line and are continuing to reduce the volume in Tank 231 B in preparation for the planned repair outage in September 1993. No pond water has been pumped to Building 374 this week and none is scheduled for next week. This pumping schedule does not impact pond consolidation.

The repair of the modular tank feed line was completed on August 17, 1993. The primary and secondary lines were tested successfully. All alarm system's functions, except the center tank high-level alarm, were successfully tested and are now in operation.

All water has now been pumped back to 207B South pond and final rinsing of north pond should be completed by August 24 or 25, 1993.

Section III - Surface Water Management

Pond Water Management IM/IRA

Development of the IM/IRA continues. The second draft of Chapter 4 which addresses the option screening process was delivered to EG&G by the subcontractor on August 24, 1993.

A meeting was held on August 26, 1993, to discuss options screening and progress with the IM/IRA. Three topics were discussed:

- Draft Chapter 4.

- Primary and secondary option screening results.
- Presentation of options that pass the screening process.

A schedule reflecting the revisions requested by CDH and RFO was received by RFO. This schedule was provided for discussion purposes only and does not reflect an EG&G schedule commitment.

Surface Water Environmental Monitoring Stations
(install six surface water environmental monitoring stations)

Award of the engineering contract and Title II revisions were completed this week. The Title II revisions will be initiated next week.

Section IV - Meetings

OU 13 - 100 Area -HPGe results and how they relate to the surficial soil sampling and vertical profile sampling locations per the OU 13 Work Plan were discussed at a meeting this week. A meeting will be held in the near future with the regulatory agencies, RFO, and EG&G to finalize sampling locations.

Interim Integrated Roadmap - A meeting was held to discuss and finalize the schedule for producing the FY93 Interim Integrated Roadmap by the September 30, 1993, deliverable due date.

Section V - Future

Community Relations
ER Community Relations Plan

The ER Community Relations Plan is scheduled to be updated in December 1993. A questionnaire is being developed to send to 35 citizens who will compose a focus group to help revise the plan. Interviews will be conducted in September 1993.

Surface Water video

Editing of the Surface Water video has begun. The video will be shown at the next ER Quarterly Public Information meeting tentatively scheduled for September 28, 1993.

ER93 EXPO

Work is ongoing for the ER exhibit for ER93 to be held in Augusta, GA, in October 1993.

Upcoming Events

August 28, 1993	ComRad Environmental Monitoring Station Open House, Westminster, 11:00 a.m. - 3:00 p.m., Country Side Recreation Center, Westminster, CO.
August 31, 1993	Environmental Surveillance Exchange of Information Meeting, 1:30 p.m., Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, Colorado.
September 7, 1993	Public Open House for Reconfiguration Hosted by DOE-HQ Office of Defense Programs, 6:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates, Westminster, Colorado.
September 8, 1993	Public Scoping Meeting for the Environmental Impact Statement for the Reconfiguration of the Weapons Complex, 9:00 a.m. to 9:30 p.m. Ramada Hotel, 8773 Yates Drive, Westminster, Colorado. Comments will be taken.
September 8, 1993	Technical Review Group Meeting, 1:30 p.m. to 4:00 p.m., Westminster City Hall, 4800 West 92nd Avenue, Westminster, Colorado, 8003.
September 15, 1993	RCRA Permit Modification Request 15 Public Information Meeting, 7:00 p.m. 9:00 p.m.

- September 21, 1993 Colorado Council on Rocky Flats (CCRF) Environmental Management Committee Meeting, 5:30 p.m. to 7:00 p.m., location to be announced. Agenda: Status of CCRF Public Participation, Planning and Tracking Model for Environmental Restoration and Waste Management at Rocky Flats.
- September 28, 1993 Environmental Surveillance Exchange of Information Meeting, 1:30 p.m. Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, Colorado.
- September 28, 1993 Quarterly Environmental Restoration Information Meeting, 7:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates Drive Westminster, Colorado.

IAG MILESTONES THROUGH FISCAL YEAR 1994

<u>OU#</u>	<u>Milestone Description</u>	<u>to EPA/CDH</u>	<u>IAG Date Scheduled</u> <u>Status</u>
2	Submit Draft Phase II RFI/RI Report	12 Mar 93	Extension denied/ Delinquent
4	Submit Draft Phase I RFI/RI Report	21 May 93	Extended to 14 Sep 93
2	Submit Final Treatability Test Report	13 Jul 93	Extended to 8 Sep 93
3	Submit Draft Phase I RFI/RI Report	16 Jul 93	Extended to 14 Feb 94
6	Submit Draft Phase I RFI/RI Report	04 Aug 93	Extension request submitted
2	Submit Final Phase II RFI/RI Report	09 Aug 93	Extension denied/ Delinquent
7	Submit Draft Phase I RFI/RI Report	12 Oct 93	.
4	Submit Final Phase I RFI/RI Report	18 Oct 93	Extended to 14 Feb 94
2	Submit Draft CMS/FS Report	04 Nov 93	.
1	Submit Final Phase III RFI/RI Report	04 Jan 93	Extended to 15 Nov 93
5	Submit Draft Phase I RFI/RI Report	30 Nov 93	.
3	Submit Final Phase I RFI/RI Report	13 Dec 93	Extended to 21 Oct 94
1	Submit Draft Proposed Plan	27 Sep 93	Extension request submitted
1	Submit Final Proposed Plan	04 Jan 94	Extension request submitted
6	Submit Final Phase I RFI/RI Report	07 Jan 94	Extension request submitted
1	Submit Draft CMS/FS Report	31 Mar 94	Extended to 11 Feb 94
8	Submit Draft Phase I RFI/RI Report	14 Feb 94	.
7	Submit Final Phase I RFI/RI Report	16 Mar 94	.
9	Submit Draft Phase I RFI/RI Report	11 Apr 94	.
4	Submit Draft Phase I Proposed IM/IRA Decision Document	14 Apr 94	.
12	Submit Draft Phase I RFI/RI Report	20 Apr 94	.
4	Submit Draft Phase II Work Plan	22 Apr 94	.
5	Submit Final Phase I RFI/RI Report	03 May 94	.
1	Submit Draft Responsiveness Summary	06 May 94	.
2	Submit Final CMS/FS Report	10 May 94	.
2	Submit Draft Proposed Plan	10 May 94	.
8	Submit Final Phase I RFI/RI Report	12 Jul 94	.
15	Submit Draft Phase I RFI/RI Report	01 Aug 94	On schedule
1	Submit Final CMS/FS Report	03 Aug 94	.
1	Submit Final Responsiveness Summary	03 Aug 94	.
1	Submit Draft CAD/ROD	03 Aug 94	.
13	Submit Draft Phase I RFI/RI Report	08 Aug 94	.
2	Submit Final Proposed Plan	09 Aug 94	.
10	Submit Draft Phase I RFI/RI Report	25 Aug 94	.
9	Submit Final Phase I RFI/RI Report	06 Sep 94	.
4	Submit Final Phase I Proposed IM/IRA Decision Document	12 Sep 94	.

7	Submit Draft Phase II RFI/RI Work Plan	13 Sep 94	•
12	Submit Final Phase I RFI/RI Report	15 Sep 94	•
4	Submit Final Phase II RFI/RI Work Plan	19 Sep 94	•
11	Submit Draft Phase I RFI/RI Report	20 Sep 94	•

*Behind original IAG schedule; extension required.